



Lai, Cheng-Hung

Professor

Specialties: Parasitology, Internal Medicine,
Dermatology, Veterinary Acupuncture

Course taught:

Undergraduate: Parasitology, Internal Medicine,
Dermatology, Veterinary Acupuncture, Veterinary
Jurisprudence and Ethic

Graduate: Advanced Internal Medicine,

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Educational Background

Graduate Institute of Veterinary Microbiology, National Chung Hsing University (1996.09 ~ 1997.08)

Ph.D., Department of Veterinary Medicine, National Chung Hsing University (1997.09 ~ 2002.01)

Academic/Teaching Experience

PostDoc, Chung-Shan Medical University (2002.08 ~ 2003.07)

Assistant Professor, Department of Biotechnology, Fooyin University (2003.08 ~ 2005.07)

Assistant Professor, Department of Veterinary Medicine, NCHU (2005.08 ~ 2013.01)

Associate Professor, Department of Veterinary Medicine, NCHU (2013.02 ~ 2025.07)

Professor, Department of Veterinary Medicine, NCHU (2025.08 ~ present)

Research

1. Investigation of the causing factors of canine skin diseases in Taiwan
2. Application of acupuncture and herbal medicine in canine atopic dermatitis
3. Application of acupuncture in inflammatory arthritis

Selected Publications (2021 ~ present)

1. Tu WJ, Inoue S, Tung KC, Hsu TH, Yang CY, Lin CC, Lai CH*, Fei CY. 2021. The wave front spread rate of Chinese ferret-badger rabies in eastern Taiwan. *Open Access Research Journal of Multidisciplinary Studies* 02: 057-062.
2. Huang HM, Ho CY, Chang GR, Shia WY, Lai CH, Chao CH, Wang CM. 2021. HPLC/ESI-MS and NMR analysis of chemical constituents in bioactive extract from the root nodule of *Vaccinium emarginatum*. *Pharmaceuticals* 14: 1098. (SCI, Q1)
3. Fang PH, Lai YY, Chen CL, Wang HY, Chang YN, Lin YC, Yan YT, Lai CH*, Cheng B*. 2022. Cobalt protoporphyrin promotes human keratinocyte migration under hyperglycemic conditions. *Molecular Medicine* 28: 71. (SCI, Q1)
4. Lai CH, Ma YC, Shia WY, Hsieh YL, Wang CM. 2022. Risk factors for antimicrobial resistance of *Staphylococcus* species isolated from dogs with superficial pyoderma and their owners. *Veterinary Sciences* 9: 306. (SCI, Q2)
5. Tu WJ, Tung KC, Hsu TH, Yang CY, Lin CC, Lai CH*, Fei CY. 2022. Cross-species infections of Formosan ferret-badger (*Melogale moschata subaurantiaca*) rabies from 2013 to 2021 in Taiwan. *Thai Journal of Veterinary Medicine* 52: 781-787. (SCI, Q4)

6. Kuo CC, Chan IP*, Lai CH. 2022. Comparative electrocardiographic study of the Asian freshwater box turtle *Cuora flavomarginata* and the Asian yellow pond turtle *Mauremys mutica* using non-invasive methods. *Veterinary Record Open* 9: e52. (SCI, Q2)
7. Chen DJ, Lai CH*. 2023. Exploring the mechanisms of magnolol in the treatment of periodontitis by integrating network pharmacology and molecular docking. *Biocell* 47: 1317-1327. (SCI, Q4)
8. Lai CH, Lin YS, Wang CM, Chang PC, Shia WY*. 2023. A novel 16S rRNA PCR-restriction fragment length polymorphism assay to accurately distinguish zoonotic *Capnocytophaga canimorsus* and *C. cynodegmi*. *Microbiology Spectrum* 11: 02916-22. (SCI, Q2)
9. Chiou CJ, Hsu TH, Yang CY, Tung KC, Cheng CH, Lin CC, Lai CH*, Fei CY. 2023. The impact of river and mountainous terrain on the spread of Formosan ferret-badger (*Melogale moschata subaurantiaca*) rabies in Taiwan. *Open Access Research Journal of Multidisciplinary Studies* 06: 035-041.
10. Jhang SW, Liu YT, Kor CT, Wu YP, Lai CH*. 2024. Low prognostic nutritional index predicts in-hospital complications and case fatality in patients with spontaneous intracerebral hemorrhage: a retrospective study. *Nutrients* 16: 1841. (SCI, Q1)
11. Lai CH*, Wang MC, Fei CY. 2024. An evaluation of two independent populations for Formosan ferret-badgers sampling in Taiwan. *Open Access Research Journal of Multidisciplinary Studies* 08: 068-074.
12. Liao CY, Lai CH*. 2024. Integrated Western and traditional Chinese medicine therapy in a dog with acute pancreatitis. *Thai Journal of Veterinary Medicine* 54: 1-6. (SCI, Q4)
13. Fang PH, Lin TY, Huang CC, Lin YC, Lai CH*, Cheng B*. 2025. Cobalt protoporphyrin downregulates hyperglycemia-induced inflammation and enhances mitochondrial respiration in retinal pigment epithelial cells. *Antioxidants* 14: 92. (SCI, Q1)
14. Lai CH*, Wang MC, Hsu CN, Chang CY, Inoue S, Fei CY. 2025. Possible factors concerning the crossing of Formosan ferret-badger rabies over the Daan river in Miaoli county, Taiwan. *Animals* 15: 319. (SCI, Q1)
15. Liao CY, Cheng TL, Lai CH*. 2025. Relationship between urine protein-to-creatinine ratio and leukocyte esterase in canine urine samples. *Veterinary Medicine and Science* 11: e70532. (SCI, Q2)
16. Hong P, Yu S, Tzeng HY, Lin YH, Wang CM, Lai CH, Chou S*. 2025. Characterization of co-infections of haemosporidian parasites in Swinhoe's pheasant (*Lophura swinhoii*): Utilizing nanopore sequencing for species-level detection and mitochondrial-genome analysis. *Current Research in Parasitology & Vector-Borne Diseases* 8, 100313.
17. Hong P, Yu S, Wang CM, Lai CH, Tokiwa T, Chou S*. 2025. A new *Batrachospora* species (Apicomplexa: Sarcocystidae) from *Duttaphrynus* toad in Taiwan. *International Journal for Parasitology: Parasites and Wildlife* 28, 101136.
18. Yu S, Hong P, Peng YS, Shih TY, Liu PC, Wang CM, Lai CH, Chou S*. 2025. Molecular survey of hemotropic mycoplasmas and piroplasmids in cats (*Felis catus*) in Central Taiwan. *Veterinary Parasitology: Regional Studies and Reports* 65, 101348.
19. Hong P, Yu S, Tzeng HY, Chou TC, Lin HY, Shiu TY, Lin YH, Lu CY, Wang CM, Lai CH, Chou S*, Tokiwa T. 2025. Unveiling hidden parasite diversity: Long-read mitogenomics in Eimeriidae and Haemosporida (Eukaryota: Apicomplexa). *International Journal for Parasitology* 104764. (In press)